



## PATENT ABSTRACTS OF JAPAN

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(71) Applicant:

**MATSUSHITA ELECTRIC IND CO  
LTD**

(72) Inventor:

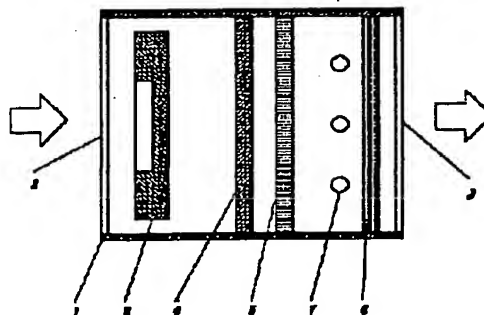
**NITTA HIROO  
NAKANO KOICHI  
FUKUDA YU  
SHIGA AZUSA**(54) **AIR VENTILATING-CLEANING DEVICE**

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(57) Abstract:

**PROBLEM TO BE SOLVED:** To solve the inconvenience that service life is relatively short life and there are the possibility of resulting in secondary pollution through the emission of an attached odor due to physical adsorption in the adsorption method, a slow action due to its dependence on the quantity of ultraviolet rays, the time of contact with a catalyst, etc., and problems in the air-cleaning efficiency of a small-sized apparatus in the photocatalyst method, and excess ozone and sour gas generated at the time of action that the harmful to human bodies in the plasma method in conventional air cleaning devices.

**SOLUTION:** There is provided an air ventilating-cleaning device introducing outdoor air indoors after allowing it to pass through a metal oxide filter 5 and a zeolite/photocatalyst filter 6 by a fan 8 for cleaning. The outdoor air passing through the metal oxide filter 5 and the zeolite/photocatalyst filter 6 to be cleaned is introduced into indoors, and polluted indoor air is excluded to outdoor, so as to permit the quick cleaning of the indoor air.



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